

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 61256024
PUBLICATION DATE : 13-11-86

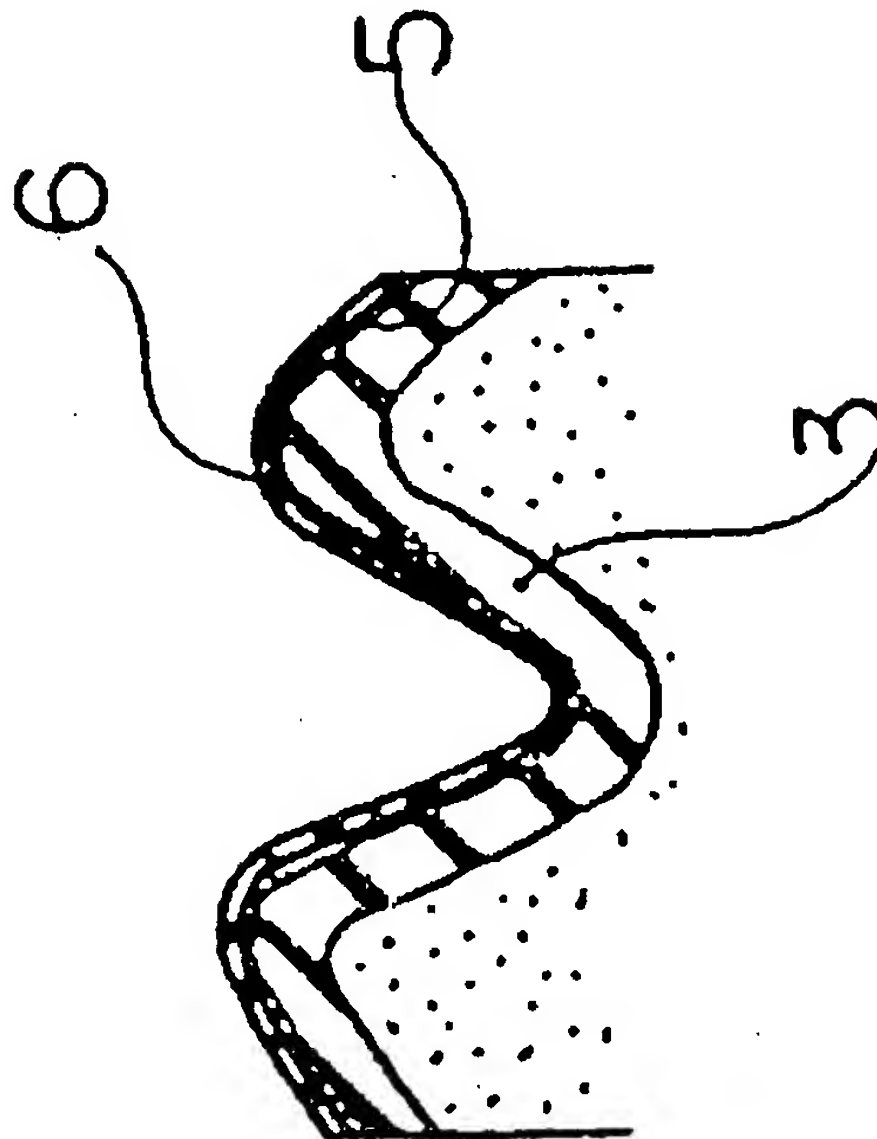
APPLICATION DATE : 08-05-85
APPLICATION NUMBER : 60097266

APPLICANT : TOYODA GOSEI CO LTD;

INVENTOR : NAKADA RIKIZO;

INT.CL. : F16D 3/16 F16J 3/04

TITLE : BOOT FOR MECHANICAL SHAFT
COUPLING



ABSTRACT : PURPOSE: To improve abrasion resistance, ozone resistance and high speed swing performance by forming a thermoplastic polyester elastomer coating layer through a surface treating layer onto a rubber compound boot substantially containing no wax.

CONSTITUTION: The bellows section 3 is made of rubber material such as Cr, NBR, NBR/PVC containing no wax to form a surface treatment layer 5 through primer processing employing common glue or halogenation processing. Then a coating layer 6 comprising a hard segment composed of polyester section such as poly-butylene phthalate and a soft segment composed of polyether section such as poly-tetra methylene glycol, polypropylene glycol, polyethylene glycol, etc. is formed on the surface. Consequently, high speed swing performance, abrasion resistance and ozone resistance can be improved without sacrifice of bending fatigue resistance.

COPYRIGHT: (C)1986,JPO&Japio

BEST AVAILABLE COPY